

WHAT IS CLAIMED IS:

1. A stroller, comprising a main frame, a linkage, and a support unit,
wherein:

the main frame has two bottom rails and two front wheels;

5 the linkage includes two shaft seats, two mounting sleeves, an elbow,
two mounting rings, two connecting tubes, two wheel shafts, and an elastic
member;

each of the shaft seats has a first end formed with two support plates
and a receiving space located between the two support plates, and a second end
10 formed with a barrel having an inside formed with a through hole, the barrel
has a periphery formed with a recess communicating with the through hole;

each of the mounting sleeves is pivotally mounted on a respective
one of the shaft seats and has a first end formed with a pivot portion pivotally
mounted in the receiving space between the support plates of the respective
15 shaft seat and a second end formed with a mounting portion;

the elbow is mounted between the mounting sleeves;

each of the mounting rings is mounted in the recess of the barrel of a
respective one of the two shaft seats and has an inner wall formed with a
through bore aligning with the through hole of the barrel and a protruding
20 locking block extended radially inward from the through bore;

each of the connecting tubes is mounted in the through hole of the barrel of a respective one of the shaft seats and extended through the through bore of a respective one of the mounting rings;

each of the wheel shafts is extended through a respective one of the front wheels and detachably locked in a respective one of the connecting tubes;

the elastic member is urged between the shaft seats;

the support unit is mounted on the linkage and includes two joints, a main bracket, a cover, a support bracket, a mounting tube, an inner tube, and two connecting seats;

each of the joints has a first side formed with a base pivotally mounted on a respective one of the shaft seats and a second side formed with a socket;

the main bracket is mounted between the joints;

the cover is mounted on the main bracket;

the support bracket is mounted on the main bracket and has a lower portion formed with two opposite support plates each formed with a first hole and a second hole;

the mounting tube is mounted between the support plates of the support bracket and is aligned with the second hole of each of the support plates;

the inner tube is mounted in the mounting tube and has two ends protruding from the support plates of the support bracket;

each of the connecting seats is mounted between the support bracket and a respective one of the bottom rails of the main frame and includes a first sleeve mounted on a respective end of the inner tube and a second sleeve mounted on a front end of a respective one of the bottom rails.

5 2. The stroller in accordance with claim 1, wherein each of the support plates is formed with a pivot hole, the pivot portion of each of the mounting sleeves is formed with a pivot hole aligning with the pivot hole of each of the support plates, and the linkage further includes two pivot pins each extended through the pivot hole of each of the support plates of a respective
10 one of the shaft seats and the pivot hole of the pivot portion of a respective one of the mounting sleeves, so that each of the mounting sleeves is pivotally mounted on a respective one of the shaft seats.

 3. The stroller in accordance with claim 1, wherein the mounting portion of each of the mounting sleeves is formed with a fixing hole, the elbow
15 has two ends each formed with a fixing hole, and the linkage further includes two fixing pins each extended through the respective fixing hole of the elbow and the fixing hole of the mounting portion of a respective one of the mounting sleeves, so that the elbow is mounted between the mounting sleeves.

 4. The stroller in accordance with claim 1, wherein the periphery of
20 the barrel has is formed with a chamber located opposite to the recess and communicating with the through hole, and each of the mounting rings has an outer wall formed with a mounting post for mounting an elastic member which

is mounted in the chamber of the barrel and urged between each of the mounting rings and the respective barrel.

5 5. The stroller in accordance with claim 1, wherein each of the connecting tubes has a periphery formed with a passage for passage of the locking block of a respective one of the mounting rings.

10 6. The stroller in accordance with claim 1, wherein the barrel is formed with a fixing hole located beside the recess, each of the connecting tubes has an end formed with a fixing hole, and the linkage further includes two fixing shafts each extended through the fixing hole of the barrel of a
10 respective one of the shaft seats and the fixing hole of a respective one of the connecting tubes, so that each of the connecting tubes is fixed on a respective one of the two shaft seats.

15 7. The stroller in accordance with claim 6, wherein each of the fixing shafts has a distal end protruding from the barrel of a respective one of the shaft seats, and the elastic member has two ends each mounted on the distal
15 end of a respective one of the fixing shafts.

20 8. The stroller in accordance with claim 1, wherein each of the wheel shafts has a tapered distal end formed with a locking groove to detachably lock the locking block of a respective one of the mounting rings.

20 9. The stroller in accordance with claim 1, wherein each of the shaft seats is formed with an axial hole, the base of each of the joints is formed with an axial hole, and the support unit further includes two pivot pins each

extended through the axial hole of the base of a respective one of the joints and the axial hole of a respective one of the shaft seats, and two C-shaped snaps each secured on a respective one of the pivot pins and each rested on a respective one of the shaft seats, so that each of the joints is pivotally mounted
5 on a respective one of the shaft seats.

10. The stroller in accordance with claim 1, wherein the main bracket has two ends each fixed on the socket of a respective one of the joints by a plurality of fixing pins.

11. The stroller in accordance with claim 1, wherein the support
10 bracket is combined with the cover, so that the main bracket is clamped between the cover and the support bracket.

12. The stroller in accordance with claim 1, wherein the second sleeve of each of the connecting seats is vertical to the first sleeve and formed with a fixing hole, and the support unit further includes two fixing pins each
15 extended through the fixing hole of the second sleeve of a respective one of the connecting seats and fixed in a respective one of the bottom rails.

13. The stroller in accordance with claim 1, wherein the support unit further includes two rubber jackets each mounted on the inner tube.

14. The stroller in accordance with claim 13, wherein each of the
20 rubber jackets has a stepped shape and has a first portion inserted into the mounting tube and a second portion inserted into the first sleeve of a respective one of the connecting seats.

15. The stroller in accordance with claim 1, further comprising a shock-absorbing device mounted between the main frame and the support unit and including two first knobs, two second knobs, two inner rods, and two elastic members, wherein:

5 each of the first knobs is pivotally mounted on a respective one of the support plates of the support bracket;

 each of the second knobs is pivotally mounted on a respective one of the bottom rails;

 each of the inner rods is mounted between a respective one of the first knobs and a respective one of the second knobs; and

 each of the elastic members is mounted on a respective one of the inner rods and urged between a respective one of the first knobs and a respective one of the second knobs.

16. The stroller in accordance with claim 15, wherein the shock-absorbing device further includes two first axles each extended through a respective one of the first knobs and the first hole of a respective one of the support plates of the support bracket.

17. The stroller in accordance with claim 15, wherein the shock-absorbing device further includes two second axles each extended through a respective one of the second knobs and a respective one of the bottom rails.

18. The stroller in accordance with claim 1, wherein each of the first knobs is formed with a mounting hole, each of the second knobs is formed with a mounting hole, each of the inner rods has a first end mounted in the mounting hole of a respective one of the first knobs and a second end mounted in the mounting hole of a respective one of the second knobs.

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